15_19 Rock Escavation on X-1A Sheet

Question: How is "Rock Excavation" shown on the X-1A sheet?

Answer: To be consistent with the <u>Earthwork Balance Sheet</u>, excavation above the proposed subgrade line should generally be shown as "Unclassified Excavation" on the X-1A sheet. It should not matter what type of material is being excavated such as suitable, unsuitable, or rock for each cross section. Conversely, excavation below the proposed subgrade such as undercut and shallow undercut will NOT be included as Unclassified Excavation, but will have their own "Undercut Excavation" column.

Geopak Earthwork LOG File

Station		(sq. ft.)	volumes (cu. yd.)	volumes (cu. yd.)	Factor	ordinate
				********	*****	
10+75.00	Common Exc Subgrade Exc Subsoil Exc Fill	532.43 0.00 0.00 0.00	0	0	1.00 1.00 1.00 1.20	0
	Common Exc Subgrade Exc Subsoil Exc Fill	8.17 0.00 0.00 0.00	0	0	1.00 1.00 1.00 1.00	0
11+25.00	SUITABLE Common Exc Subgrade Exc Subsoil Exc Fill	481.21 0.00 0.00 0.00	939	939 0 0	1.00 1.00 1.00 1.20	939
	Common Exc Subgrade Exc Subsoil Exc Fill	62.74 0.00 0.00 0.00	66 0 0	66 0 0	1.00 1.00 1.00 1.00	1005
11+75.00	Subgrade Exc Subsoil Exc Fill	321.38 0.00 0.00 4.87	743 0 0 5	743 0 0 5	1.00 1.00 1.00 1.20	1743
	Common Exc Subgrade Exc Subsoil Exc Fill	99.05 0.00 0.00 0.00	150 0 0	150 0 0 0	1.00 1.00 1.00 1.00	1893

"Sheet1"

Cross Section Summary Sheet (X-1A)

Please download the recently updated <u>Earthwork XSC Volume Summary</u> (X-1A sheet). Note that previous versions of the spreadsheet did not automatically add rock excavation to the total unclassified excavation column. The attached PDF should be used as an example of a typical X-1A sheet. Further enhancements to the spreadsheet will warrant a tutorial in the coming weeks. We'll keep you posted.